

# ChemGrout®

"Equipment for Grouting Since 1969"

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## Material Testing Results

Date: 8/17/2000

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**Manufacturer:** Lyons Mfg, Inc.  
8900 Forney Rd  
Dallas, TX 75227-8158

**Contact:** Robert  
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**Material:** Super Flow Rock

**Lot #** N/A

**Material Application:** anchoring cement

**Mfg. Plant:** Dallas, TX

**Std. Bag Weight:** 45 #

**Testing Conditions:** Outside Temperature: 75.3°F

**Humidity:** 60%

**Equipment Used:** Model: CG570  
Mixer: Paddle

**Pump:** 2TJ6 Progressing Cavity  
**Power:** Hydraulic

**Std. Mix Ratios:** 3.5 quarts per bag

**Water Temp:** 77.6 °F

**Batching Method:** Quantity Material: 135 lbs.

Quantity Water: 22 lbs

**Mixing Time:** 30-40 Seconds

**Batch Temp:** 86.4 °F

**Specific Gravity:** SG = 2.14

**Flow Cone** N/A Seconds

**Pumping Method:** Recirculated through hose, recorded pressures at various flow rates.

<b>Flow Rate/Pressure:</b>	Flow Rate	Pressure	Flow Rate	Pressure
Hose (1 1/4" X 50')	3.55 GPM	40 PSI	GPM	PSI
Hose (1 1/4" X 50')	5.27 GPM	40 PSI	GPM	PSI
Hose (1 1/4" X 50')	7.63 GPM	65 PSI	GPM	PSI
Hose (1 1/4" X 50')	10.0 GPM	90 PSI	GPM	PSI
Hose (1 1/4" X 50')	12.04 GPM	120 PSI	GPM	PSI
Hose (1 1/4" X 50')	13.76 GPM	135 PSI	GPM	PSI
Hose (1 1/4" X 50')	16.18 GPM	140 PSI	GPM	PSI
Hose (1 1/4" X 50')	18.28 GPM	140 PSI	GPM	PSI
Hose (1 1/4" X 50')	20.48 GPM	140 PSI	GPM	PSI
Hose (1 1/4" X 50')	22.79 GPM	140 PSI	GPM	PSI

**Observations:** Fast setting anchor cememtn, gritty, pumped okay  
Started setting in hopper after 5 minutes--got a little thinner at high HP

**Results:** ChemGrout, Inc. rates the pumpability of this product as a "7" out of 10, with 10 being the easiest. ChemGrout, Inc. recommends the 050 pump or higher.